

Tue Sep 16 12:27:48 2003

us-10-083-336a-3.ra1

Page 1

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OH protein - protein search, using sw model

Run on: September 16, 2003, 11:42:03 ; Search time 11.2796 Seconds  
(without alignments)  
742.718 Million cell updates/sec

Title: US-10-083-336A-3  
Perfect score: 1020  
Sequence: 1 IFPKOYPIINFTTAGATVQS.....ARPOYICGEMTRIRYRNRSS 198

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 4231086 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database:

Issued\_Patents\_AA:\*  
1: /cgn2\_6/prodata/1/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/prodata/1/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/prodata/1/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/prodata/1/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/prodata/1/1aa/PCITUS.COMB.pep.\*  
6: /cgn2\_6/prodata/1/1aa/Backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query	Match Length	ID	Description
1	1020	100.0	267	1	US-07-901-707-1 Sequence 1, Appl 1
2	1020	100.0	267	1	US-07-988-430-1 Sequence 1, Appl 1
3	1020	100.0	267	1	US-08-425-336-1 Sequence 1, Appl 1
4	1020	100.0	267	1	US-08-489-118B-1 Sequence 1, Appl 1
5	1020	100.0	267	1	US-08-477-488B-1 Sequence 1, Appl 1
6	1020	100.0	267	2	US-08-646-360-1 Sequence 1, Appl 1
7	1020	100.0	267	3	US-08-839-765-1 Sequence 1, Appl 1
8	1020	100.0	267	3	US-09-136-389-1 Sequence 1, Appl 1
9	1020	100.0	267	4	US-09-610-838-1 Sequence 1, Appl 1
10	1020	100.0	267	5	US-09-356-786-8 Sequence 1, Appl 1
11	1020	100.0	268	1	US-08-378-761A-27 Sequence 2, Appl 1
12	1020	100.0	290	1	US-08-485-286-27 Sequence 27, Appl 1
13	1020	100.0	290	6	5248606-4 Patent No. 5248606
14	1020	100.0	534	2	US-08-356-786-10 Sequence 10, Appl 1
15	1020	100.0	534	2	US-08-425-336-1 Sequence 1, Appl 1
16	1020	100.0	534	2	US-08-489-118B-1 Sequence 1, Appl 1
17	1010	99.0	267	2	US-08-378-761A-77 Sequence 77, Appl 1
18	1010	99.0	267	4	US-08-538-873-1 Sequence 1, Appl 1
19	930.5	91.2	267	4	US-08-378-761A-77 Sequence 77, Appl 1
20	930.5	91.2	267	1	US-08-485-286-77 Sequence 77, Appl 1
21	342	33.5	247	1	US-08-488-113B-6 Sequence 6, Appl 1
22	342	33.5	247	2	US-08-477-488B-6 Sequence 6, Appl 1
23	342	33.5	247	2	US-08-646-360-6 Sequence 6, Appl 1
24	342	33.5	247	3	US-08-839-765-6 Sequence 6, Appl 1
25	342	33.5	247	3	US-09-136-389-6 Sequence 6, Appl 1
26	342	33.5	247	4	US-09-610-838-6 Sequence 6, Appl 1
27	342	33.5	267	1	US-08-378-761A-74 Sequence 74, Appl 1

28	342	33.5	267	1	US-08-485-286-74 Sequence 74, Appl 1
29	342	33.5	289	1	US-07-923-692C-4 Sequence 4, Appl 1
30	342	33.5	289	1	US-08-184-237-4 Sequence 4, Appl 1
31	342	33.5	289	2	US-08-489-118B-4 Sequence 4, Appl 1
32	342	33.5	289	3	US-08-488-361-4 Sequence 4, Appl 1
33	342	33.5	289	3	US-08-483-302-4 Sequence 4, Appl 1
34	342	33.5	289	4	US-09-726-651A-4 Sequence 4, Appl 1
35	341.5	33.5	282	1	US-08-324-301-15 Sequence 15, Appl 1
36	329.5	32.3	250	1	US-08-378-761A-71 Sequence 71, Appl 1
37	329.5	32.3	250	1	US-08-485-286-71 Sequence 71, Appl 1
38	323.5	31.7	251	4	US-09-538-873-3 Sequence 3, Appl 1
39	312.5	30.6	255	1	US-07-901-707-6 Sequence 6, Appl 1
40	312.5	30.6	255	1	US-07-988-430-6 Sequence 6, Appl 1
41	312.5	30.6	255	1	US-08-425-336-6 Sequence 6, Appl 1
42	312.5	30.6	255	3	PCT-US92-09487-6 Sequence 6, Appl 1
43	312	30.6	258	3	US-08-902-486-7 Sequence 7, Appl 1
44	312	30.6	258	1	US-08-245-754A-2 Sequence 2, Appl 1
45	312	30.6	290	2	US-08-597-731-2 Sequence 2, Appl 1

## ALIGNMENTS

RESULT 1  
US-07-901-707-1  
Sequence 1, Application US/0790707  
Patent No. 5376546

### GENERAL INFORMATION:

APPLICANT: Bernhard, Susan L.  
APPLICANT: Better, Marc D.  
APPLICANT: Carroll, Steve F.  
APPLICANT: Lane, Julie A.  
TITLE OF INVENTION: Materials Comprising and Methods of  
NUMBER OF SEQUENCES: 57  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gersteld, Murray &  
STREET: Two First National Plaza, 20 South Clark  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60603

### COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/901,707  
FILING DATE: 19920619  
CLASSIFICATION: 435

### PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/787,567  
FILING DATE: 04-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5376546and, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 27129/30910  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 346-5750  
TELEFAX: (312) 984-5750

### TELECOMMUNICATION INFORMATION:

TELEX: 25-3856  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 267 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-901-707-1

Query Match 100.0%; Score 1020; DB 1; Length 267;

Tue Sep 16 12:27:48 2003

us-10-083-336a-3.rai

Page 2

Best Local Similarity 100.0%; Pred. No. 1.7e-111;  
Matches 198: Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 IFFKQYPIINFTAGATVQSYTNFIRAVGRLLTGADVRHEIPVLPNRVGLPINORFIIY 60  
DB 1 IFFKQYPIINFTAGATVQSYTNFIRAVGRLLTGADVRHEIPVLPNRVGLPINORFIIY 60  
QY 61 ELSNHAELSVTLADVTNAVYVGRAGNSAYFFHPDNOEDAEATLFTDVORRTYFAG 120  
DB 61 ELSNHAELSVTLADVTNAVYVGRAGNSAYFFHPDNOEDAEATLFTDVORRTYFAG 120  
QY 121 GNYDRLQAGNLRNLELNGPLERISALYYSSTGCTPLTARSFTICIMISEAR 180  
DB 121 GNYDRLQAGNLRNLELNGPLERISALYYSSTGCTPLTARSFTICIMISEAR 180  
QY 181 FOYIEGEMTRIRIRYRRS 198  
DB 181 FOYIEGEMTRIRIRYRRS 198

RESULT 2  
US-07-988-430-1  
Sequence 1, Application US/07988430  
Patent No. 5416202

GENERAL INFORMATION

APPLICANT: Bernhard, Susan L.  
APPLICANT: Belter, Marc D.  
APPLICANT: Carroll, Stephen F.  
APPLICANT: Lane, Julie A.  
APPLICANT: Lei, Shau-Ping  
TITLE OF INVENTION: Materials Comprising and Methods of  
NUMBER OF SEQUENCES: 101  
TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &  
STREET: Two First National Plaza, 20 South Clark  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60603

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/988,430  
FILING DATE: 19921209  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 07/901,707  
FILING DATE: 19 JUN-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/787,567  
FILING DATE: 04-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Meyer, Thomas C.  
REGISTRATION NUMBER: P-36,989  
REFERENCE/DOCKET NUMBER: 31394  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 346-5750  
TELEFAX: (312) 984-9740  
TELEX: 25-3856

SEQUENCE CHARACTERISTICS:  
INFORMATION FOR SEQ ID NO: 1:  
LENGTH: 267 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-988-430-1

Query Match 100.0%; Score 1020; DB 1; Length 267;  
Best Local Similarity 100.0%; Pred. No. 1.7e-111;  
Matches 198: Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 IFFKQYPIINFTAGATVQSYTNFIRAVGRLLTGADVRHEIPVLPNRVGLPINORFIIY 60  
DB 1 IFFKQYPIINFTAGATVQSYTNFIRAVGRLLTGADVRHEIPVLPNRVGLPINORFIIY 60  
QY 61 ELSNHAELSVTLADVTNAVYVGRAGNSAYFFHPDNOEDAEATLFTDVORRTYFAG 120  
DB 61 ELSNHAELSVTLADVTNAVYVGRAGNSAYFFHPDNOEDAEATLFTDVORRTYFAG 120  
QY 121 GNYDRLQAGNLRNLELNGPLERISALYYSSTGCTPLTARSFTICIMISEAR 180  
DB 121 GNYDRLQAGNLRNLELNGPLERISALYYSSTGCTPLTARSFTICIMISEAR 180  
QY 181 FOYIEGEMTRIRIRYRRS 198  
DB 181 FOYIEGEMTRIRIRYRRS 198

RESULT 3  
US-08-425-336-1  
Sequence 1, Application US/08425336  
Patent No. 5621083

GENERAL INFORMATION

APPLICANT: Belter, Marc D.  
APPLICANT: Carroll, Stephen F.  
APPLICANT: Studnicka, Gary M.  
TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating  
NUMBER OF SEQUENCES: 140  
TITLE OF INVENTION: Proteins  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 South Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606-6402

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/425,336  
FILING DATE: 18-APR-1995  
CLASSIFICATION: 530  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/064,691  
FILING DATE: 12-MAY-1993  
APPLICATION NUMBER: US 07/901,707  
FILING DATE: 19 JUN-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/787,567  
FILING DATE: 04-NOV-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Meyer, Thomas C.  
REGISTRATION NUMBER: P-36,989  
REFERENCE/DOCKET NUMBER: 31394  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312/474-6500  
TELEFAX: 312/474-0448  
TELEX: 25-3856

SEQUENCE CHARACTERISTICS:  
INFORMATION FOR SEQ ID NO: 1:  
LENGTH: 267 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-425-336-1

Query Match

100.0%; Score 1020; DB 1; Length 267;